|   |   |                       | Annrove   | ed for use |                                | PTO/SB/05 (08-03) |  |  |
|---|---|-----------------------|---|------------|--------------------------------|-------------------|--|--|
| Approved for use through 07/31/2006. OMB 0651-003; U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number |   |                       |   |            |                                |                   |  |  |
|   |   | ey Docket No.         | 8733.949.00-US  |            |                                |                   |  |  |
| UTILITY   | rventor   | Seok                  | Seok W. Lee   |            |                                |                   |  |  |
| PATENT APPLICATION  |   | APPARATUS             | S FOR DRIVING LAMP OF LIQUID  |            |                                |                   |  |  |
| TRANSMITTAL   | Title   | CRYSTAL D             | ISPLAY DEVICE   |            |                                |                   |  |  |
| (Only for new nonprovisional applications under 37 CFR 1.53(b))   |   |                       | <u>r</u> <del>'</del> <del>'</del> <del>'</del> <del>'</del> <del>'</del> |            |                                |                   |  |  |
|   | Expres  | ss Mail Label No.     | L   |            |                                | ဖက္သ              |  |  |
| APPLICATION ELEMENTS  |   |                       | C0  |            | Application<br>ner for Patents | 72                |  |  |
| See MPEP chapter 600 concerning utility patent application co   | ntents.   | ADDRESS T             | O: P.C  | D. Box 14  | 450                            | 0.54              |  |  |
|   |   |                       |   |            | VA 22313-1450                  | <u> </u>          |  |  |
| 1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)  |   |                       | M or CD-F<br>er Prograi   |            | ate, large table or dix)       |                   |  |  |
| 2. Applicant claims small entity status.  |   | 8 Nucleotide a        | nd/or Ami   | no Acid S  | equence Submission             | on                |  |  |
| See 37 CFR 1.27.  3. X Specification [Total Pages 1]  | 7 1   | a. Comp               | uter Read   | • •        | n (CRE)                        |                   |  |  |
| (preferred arrangement set forth below)   | <u>.                                    </u>                                    | b. Specificati        |   |            | , ,                            |                   |  |  |
| Descriptive title of the invention     Cross Reference to Related Applications  |   | b. Specificati        | 1 .   |            | (2 copies); or                 | ii. Paper         |  |  |
| Statement Regarding Fed sponsored R & D     Reference to sequence listing, a table,   |   |                       | J   |            | ntity of above copies          | ·                 |  |  |
| or a computer program listing appendix  |   |                       |   |            |                                |                   |  |  |
| Background of the Invention     Brief Summary of the Invention  |   |                       |   |            | PPLICATION PA                  |                   |  |  |
| <ul> <li>Brief Description of the Drawings (if filed)</li> <li>Detailed Description</li> </ul>  |   |                       | •   | •          | sheet & document(              |                   |  |  |
| - Claim(s) - Abstract of the Disclosure   |   |                       | 3.73(b) S<br>here is an   |            |                                |                   |  |  |
| 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets   | 8 1   | 11. English           | Translatio  | n Docum    | ent (if applicable)            |                   |  |  |
| 5. Oath or Declaration [Total Sheets  | 3 ] 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations |                       |   |            |                                |                   |  |  |
| a. X Newly executed (original or copy)  |   |                       |   |            |                                |                   |  |  |
| Copy from a prior application (37 CFR 1.63(d))  14 Return Receipt Postcard (MPEP 503)   |   |                       |   |            |                                |                   |  |  |
| (Should be specifically itemized)    Certified Copy of Priority Document(s) (1)   |   |                       |   |            |                                |                   |  |  |
| i. DELETION OF INVENTOR(S)  Signed statement attached deleting inventor(s)  (if foreign priority is claimed)  |   |                       |   |            |                                | (b)(2)(B)(i).     |  |  |
| see 37 CFR 1.63(d)(2) and 1.33(b).  Applicant must attach form PTO/SB/35 or its equivalent.   |   |                       |   |            |                                | quivalent.        |  |  |
|   |   | 17. X Other:          | Docum   |            | y and Submissio                | n of              |  |  |
| 6. Application Data Sheet. See 37 CFR 1.76  |   |                       |   |            |                                |                   |  |  |
| 18. If a CONTINUING APPLICATION, check appropriate box, specification following the title, or in an Application Data Sheet  |   |                       | nation bel  | low and in | the first sentence             | of the            |  |  |
|   |   |                       | ation No.:  |            |                                |                   |  |  |
|   |   |                       |   |            |                                |                   |  |  |
| Prior application information: Examiner Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied   |   |                       |   |            |                                |                   |  |  |
| under Box 5b, is considered a part of the disclosure of the acc<br>reference. The incorporation can only be relied upon when a p  | ompanyin  | g continuation or div | risional ap   | plication  | and is hereby incor            | rporated by       |  |  |
|   |   | NDENCE ADDRE          |   |            |                                |                   |  |  |
| Customer Number:  |   | OR                    | х   | Correspo   | ondence address be             | elow              |  |  |
|   |   |                       | ـکا   |            |                                |                   |  |  |
| Name MCKENNA LONG & ALDRIDGE LLP  |   |                       |   |            |                                |                   |  |  |
| Eric J. Nuss  |   |                       |   |            |                                |                   |  |  |
| Address 1900 K Street, N.W.   |   |                       |   |            |                                |                   |  |  |
| City Washington Sta   | ete   | e DC Zip Code 20006   |   |            |                                |                   |  |  |
| Country US Te   | lephone   | (202) 496-750         | 00  | F          | ax (202) 496                   | -7756             |  |  |
| Name (Print/Type) Eric J. Nuss  |   | Registration N        | lo. (Attorn   | ey/Agent   | 40,106                         |                   |  |  |
| Signature Signature   | 20  |                       |   | Date       | November 2                     | 5, 2003           |  |  |



|   |                    |                             |  |                  | 0  |                       |  |  |  |
|---|--------------------|-----------------------------|--|------------------|--|-----------------------|--|--|--|
| FEE TRANSMITTAL   |                    |                             | Complete if Known  Application Number Not Yet Assigned             |                  |  |                       |  |  |  |
|   |                    |                             |  | Numb             | ·· +   | Not Yet Assigned      |  |  |  |
| for FY 2004   |                    | Filing Date                 |  |                  |  | Concurrently Herewith |  |  |  |
| Effective 10/01/2003, Patent fees are subject to annual revision.   |                    | First Named Inventor        |  |                  |  | Seok W. Lee           |  |  |  |
|   |                    | Examiner Name               |  |                  | Not Yet Assigned   |                       |  |  |  |
| Applicant claims small entity status. See 37 CFR 1.27   |                    | Art Unit                    |  |                  | N/A  | N/A                   |  |  |  |
| TOTAL AMOUNT OF PAYMENT (\$) 810.00   |                    | Attomey Docket No. 8        |  |                  | b. 8733.949.00-US  | 8733.949.00-US        |  |  |  |
| METHOD OF PAYMENT (check all that apply)  |                    | FEE CALCULATION (continued) |  |                  |  |                       |  |  |  |
| X Check Credit Money Order Other None   | 3. ADDITIONAL FEES |                             |  |                  |  |                       |  |  |  |
| Deposit Account:  |                    |                             | 011  | <b>5</b> -4'4.   |  |                       |  |  |  |
| Deposit<br>Account 50-0911  | Fee                | e Entity<br>Fee             | Fee  | Entity<br>Fee    | -  |                       |  |  |  |
| Number 30-0911  | Code               |                             | Code   | (\$)             | Fee Description  | Fee Paid              |  |  |  |
| Deposit Account McKenna Long & Aldridge LLP   | 1051               | 130                         | 2051   | 65               | Surcharge – late filing fee or oath  |                       |  |  |  |
| Name The Director is authorized to: (check all that apply)  | 1052               | 50                          | 50 2052 25 Surcharge – late provisional filing fee or cover sheet. |                  |  |                       |  |  |  |
| Charge fee(s) indicated below X Credit any overpayments   | 1053               | 130                         | 1053   | 130              | Non-English specification  |                       |  |  |  |
| Charge any additional fee(s) during the pendency of this  | 1812               | 2,520                       | 1812   | 2,520            | For filing a request for ex parte reexamination                            |                       |  |  |  |
| application   | 1804               | 920*                        | 1804   | 920*             | Requesting publication of SIR prior to<br>Examiner action                  |                       |  |  |  |
| Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.                           | 1805               | 1,840*                      | 1805   | 1,840*           | Requesting publication of SIR after  |                       |  |  |  |
| FEE CALCULATION   | 1251               | 110                         | 2251   | 55               | Examiner action  Extension for reply within first month                    |                       |  |  |  |
| 1. BASIC FILING FEE   | 1252               |                             | 2252   | 210              | Extension for reply within second month                                    |                       |  |  |  |
| Large Entity Small Entity   | 1253               |                             | 2253   | 475              | Extension for reply within third month                                     |                       |  |  |  |
| Fee Fee Fee Fee Description Fee Paid  | 1254               | 1,480                       | 2254   | 740              | Extension for reply within fourth month                                    |                       |  |  |  |
| Code (\$) Code (\$)   |                    |                             |  |                  |  |                       |  |  |  |
| 1001 770 2001 385 Utility filing fee 770.00   | 1255               |                             | 2255   | 1,005            | · • •  |                       |  |  |  |
| 1002 340 2002 170 Design filing fee   | 1401               | 330<br>330                  | 2401   | 165              | Notice of Appeal   |                       |  |  |  |
|   | 1402<br>1403       |                             | 2402   | 165<br>145       | Filing a brief in support of an appeal                                     |                       |  |  |  |
| · · · · ·   · · · · · · · · · · · · ·   | 1451               | _                           | 1451   |                  | Request for oral hearing  Petition to institute a public use proceeding    |                       |  |  |  |
| 1005 160 2005 80 Provisional filing fee   | 1452               | -                           | 2452   | 55               | Petition to revive – unavoidable   |                       |  |  |  |
| SUBTOTAL (1) (\$) 770.00  | 1453               |                             | 2453   | 665              | Petition to revive - unintentional   |                       |  |  |  |
| 2. EVEDA OLAIM ESEC FOR HELLEY AND DEICCHE  | 1501               |                             | 2501   | 665              | Utility issue fee (or reissue)   |                       |  |  |  |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE  Extra Fee from   | 1502               | -                           | 2502   | 240              | Design issue fee   |                       |  |  |  |
| Claims below Fee Paid   |                    |                             |  |                  | •  |                       |  |  |  |
| Total Claims 18 -20** = x = 0.00  | 1503               |                             | 2503   | 320              | Plant issue fee  | -                     |  |  |  |
| Claims 2 -3** =   x   = 0.00  | 1460               |                             | 1460   | 130              | Petitions to the Commissioner  | <u> </u>              |  |  |  |
| Multiple Dependent = = = =  | 1807               | 50                          | 1807   | 50               | Processing fee under 37 CFR 1.17(q)  |                       |  |  |  |
| Large Entity Small Entity   | 1806               | 180                         | 1806   | 180              | Submission of Information Disclosure Stmt                                  |                       |  |  |  |
| Fee Fee Fee Fee Code (\$) Code (\$)   | 8021               | 40                          | 8021   | 40               | Recording each patent assignment per property (times number of properties) | 40.00                 |  |  |  |
| 1202 18 2202 9 Claims in excess of 20   | 1809               | 770                         | 2809   | 385              | Filing a submission after final rejection (37 CFR 1.129(a))                |                       |  |  |  |
| 1201   86   2201   43   Independent claims in excess of 3   1203   290   2203   145   Multiple dependent claim, if not paid | 1810               | 770                         | 2810   | 385              | For each additional invention to be examined (37CFR 1.129(b))              |                       |  |  |  |
| 1204 86 2204 43 ** Reissue independent claims   | 1801               | 770                         | 2801   | 385              | Request for Continued Examination (RCE)                                    |                       |  |  |  |
| over original patent  | 1802               |                             | 1802   | 900              | Request for expedited examination  |                       |  |  |  |
| 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent   | _                  | fee (spe                    | l .  |                  | of a design application  | -                     |  |  |  |
| SUBTOTAL (2) (\$) 0.00  |                    | uced by                     |  | ling For         | Paid SUBTOTAL (3) (\$)   | 40.00                 |  |  |  |
| **or number previously paid, if greater; For Reissues, see above  | uceu by I          | اع ناهمان                   | miy ree  | 300101AL(3) [(4) | 40.00  |                       |  |  |  |
| SUBMITTED BY  |                    |                             |  |                  | (Complete (if applicable))   |                       |  |  |  |
| 300MITTED 6 (   |                    |                             |  |                  | (Complete (ii applicable))   |                       |  |  |  |

| SUBMITTED BY                   | (Complete (if applicable))           |        |           |                   |
|--------------------------------|--------------------------------------|--------|-----------|-------------------|
| Name (Print/Type) Eric J. Nuss | Registration No.<br>(Attorney/Agent) | 40,106 | Telephone | (202) 496-7537    |
| Signature Suca Muse            |                                      |        | Date      | November 25, 2003 |